

FIG. 1A

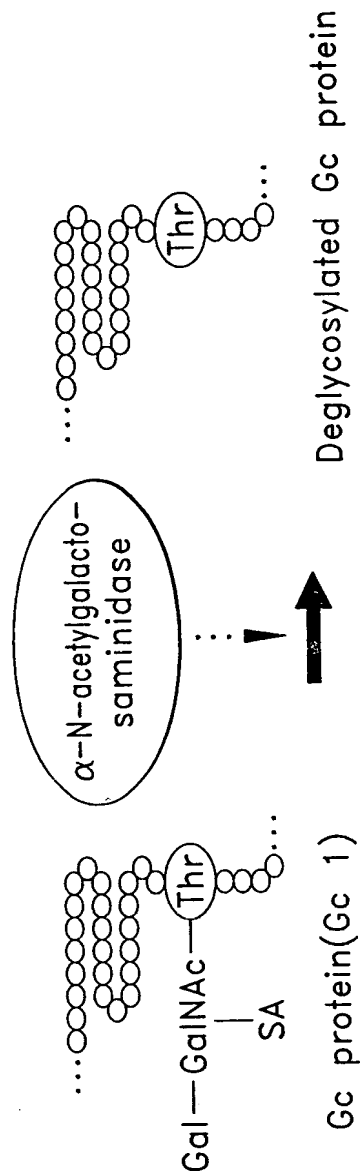


FIG. 1B

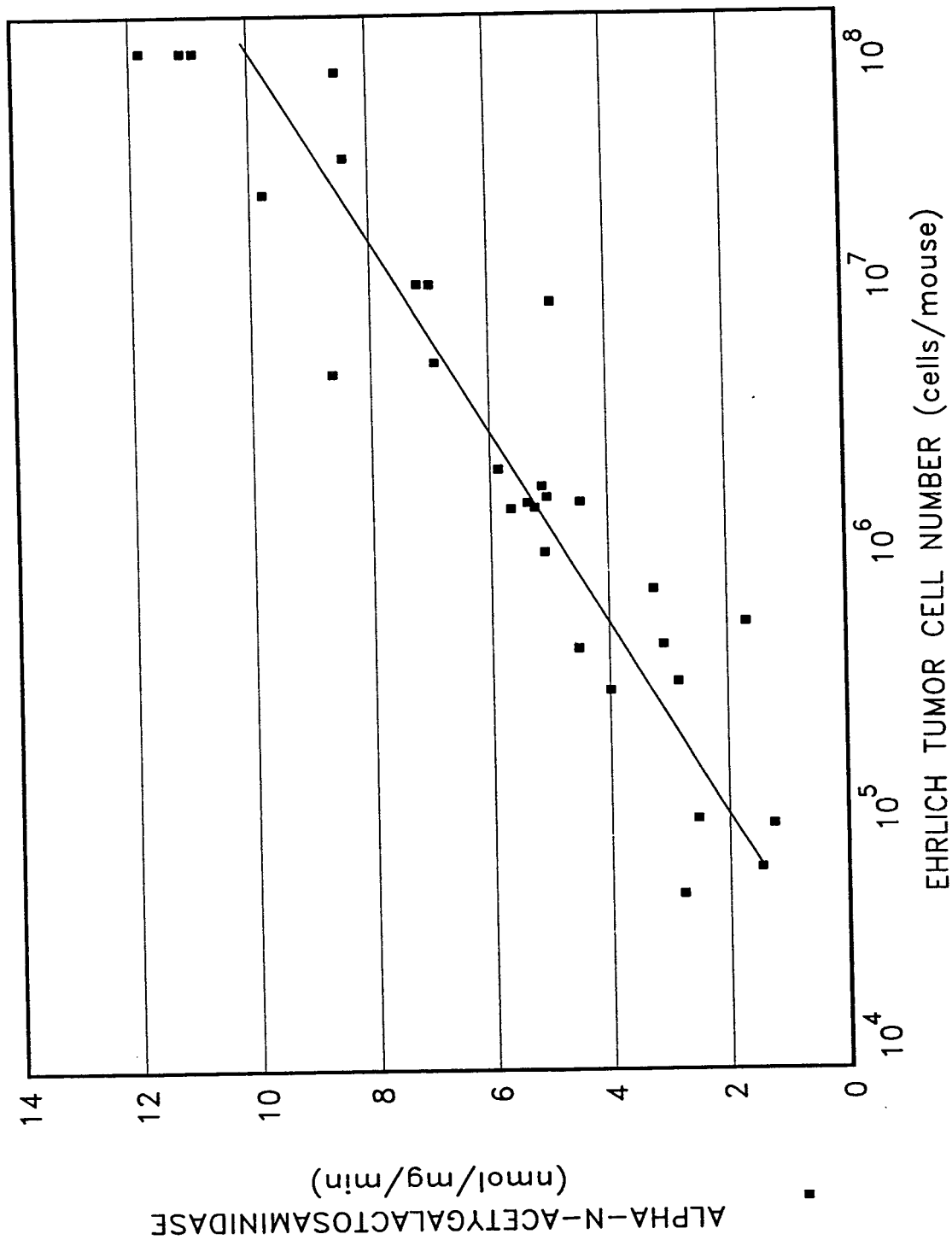
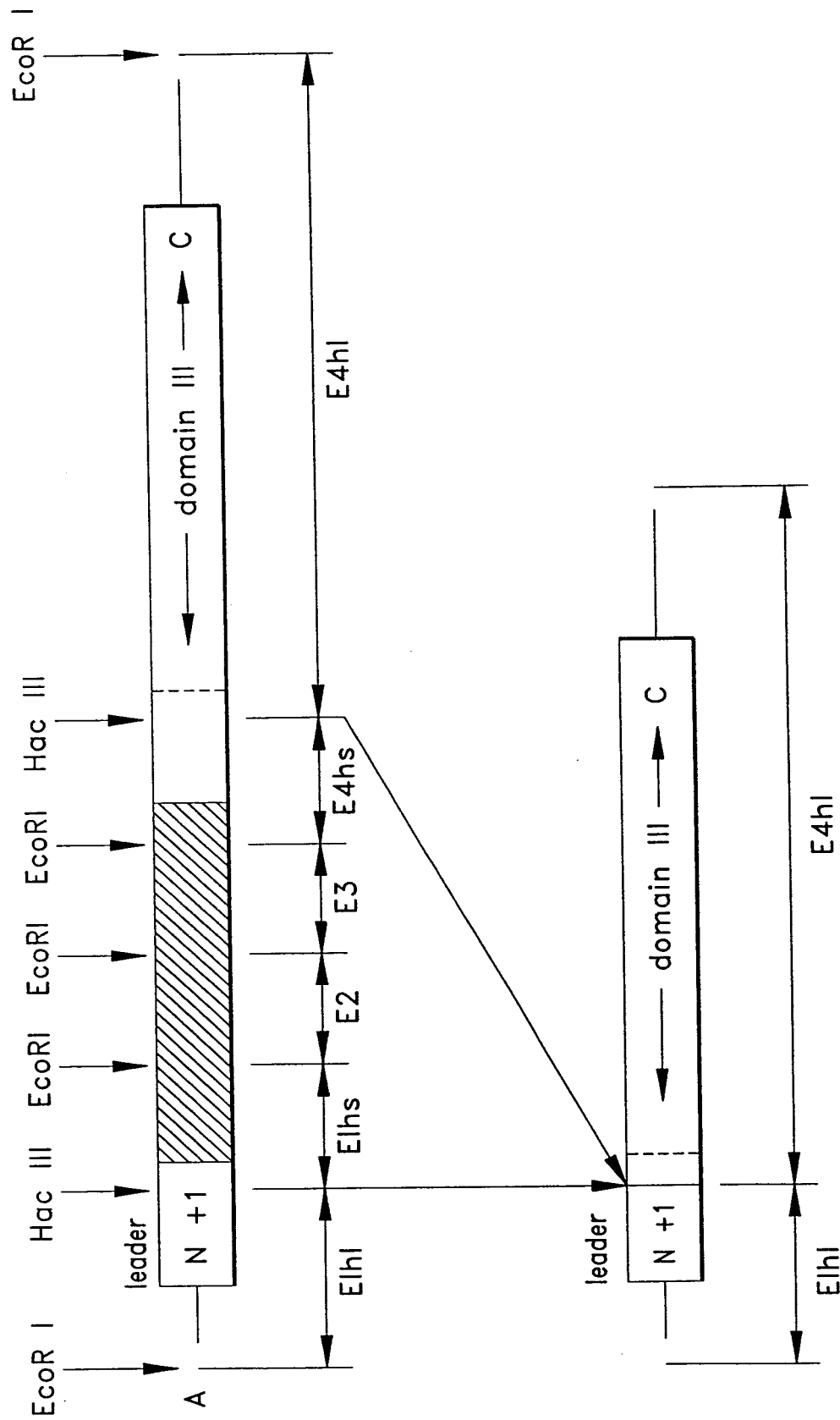


FIG. 2

Leu	Glu	Arg	Gly	Arg	Asp	Tyr	Glu	Lys	Asn	Lys	Val	Cys	Lys	Glu	Phe	Ser	His	Leu	Gly	20
									30											40
Lys	Glu	Asp	phe	Thr	Ser	Leu	Ser	Leu	Val	Leu	Tyr	Ser	Arg	Lys	Phe	Pro	Ser	Gly	Thr	60
									50											80
Phe	Glu	Gln	Val	Ser	Gln	Leu	Val	Lys	Glu	Val	Val	Ser	Leu	Thr	Glu	Ala	Cys	Cys	Ala	100
									70											120
Glu	Gly	Ala	Asp	Pro	Asp	Cys	Tyr	Asp	Thr	Arg	Thr	Ser	Ala	Leu	Ser	Ala	Lys	Ser	Cys	140
									90											160
Glu	Ser	Asn	Ser	Pro	Phe	Pro	Val	His	Pro	Gly	Thr	Ala	Glu	Cys	Cys	Thr	Lys	Glu	Gly	180
									110											200
Leu	Glu	Arg	Lys	Leu	Cys	Met	Ala	Ala	Leu	Lys	His	Gln	Pro	Gln	Glu	Phe	Pro	Thr	Tyr	220
									130											240
Val	Glu	Pro	Thr	Asn	Asp	Glu	Ile	Cys	Glu	Ala	Phe	Arg	Lys	Asp	Pro	Lys	Glu	Tyr	Ala	260
									150											280
Asn	Gln	Phe	Met	Trp	Glu	Tyr	Ser	Thr	Asn	Tyr	Glu	Gln	Ala	Pro	Leu	Ser	Leu	Leu	Val	300
									170											320
Ser	Tyr	Thr	Lys	Ser	Tyr	Leu	Ser	Met	Val	Gly	Ser	Cys	Cys	Thr	Ser	Ala	Ser	Pro	Thr	340
									190											360
Val	Cys	Phe	Leu	Lys	Glu	Arg	Leu	Gln	Leu	Lys	His	Leu	Ser	Leu	Leu	Thr	Thr	Leu	Ser	380
									210											400
Asn	Arg	Val	Cys	Ser	Gln	Tyr	Ala	Ala	Tyr	Gly	Glu	Lys	Lys	Ser	Arg	Leu	Ser	Asn	Leu	420
									230											440
Ile	Lys	Leu	Ala	Gln	Lys	Val	Pro	Thr	Ala	Asp	Leu	Glu	Asp	Val	Leu	Pro	Leu	Ala	Glu	460
									250											480
Asp	Ile	Thr	Asn	Ile	Leu	Ser	Lys	Cys	Cys	Glu	Ser	Ala	Ser	Glu	Asp	Cys	Met	Ala	Lys	500
									270											520
Glu	Leu	Pro	Glu	His	Thr	Val	Lys	Leu	Cys	Asp	Asn	Leu	Ser	Thr	Lys	Asn	Ser	Lys	Phe	540
									290											560
Glu	Asp	Cys	Cys	Gln	Glu	Lys	Thr	Ala	Met	Asp	Val	Phe	Val	Cys	Thr	Tyr	Phe	Met	Pro	580
									310											600
Ala	Ala	Gln	Leu	Pro	Glu	Leu	Pro	Asp	Val	Arg	Leu	Pro	Thr	Asn	Lys	Asp	Val	Cys	Asp	620
									330											640
Pro	Gly	Asn	Thr	Lys	Val	Met	Asp	Lys	Tyr	Thr	Phe	Glu	Leu	Ser	Arg	Arg	Thr	His	Leu	660
									350											680
Pro	Glu	Val	Phe	Leu	Ser	Lys	Val	Leu	Glu	Pro	Thr	Leu	Lys	Ser	Leu	Gly	Glu	Cys	Cys	700
									370											720
Asp	Val	Glu	Asp	Ser	Thr	Thr	Cys	phe	Asn	Ala	Lys	Gly	Pro	Leu	Leu	Lys	Lys	Glu	Leu	740
									390											760
Ser	Ser	Phe	Ile	Asp	Lys	Gly	Gln	Glu	Leu	Cys	Ala	Asp	Tyr	Ser	Glu	Asn	Thr	Phe	Thr	780
									410											800
Glu	Tyr	Lys	Lys	Lys	Leu	Ala	Glu	Arg	Leu	Lys	Ala	Lys	Leu	Pro	Glu	Ala	Thr	Pro	Thr	820
									430											840
Glu	Leu	Ala	Lys	Leu	Val	Asn	Lys	Arg	Ser	Asp	Phe	Ala	Ser	Asn	Cys	Cys	Ser	Ile	Asn	860
									450											880
Ser	Pro	Pro	Leu	Tyr	Cys	Asp	Ser	Glu	Ile	Asp	Ala	Glu	Leu	Lys	Asn	Ile	Leu			900

FIG. 3



A. Ge cDNA

B. Final Construct

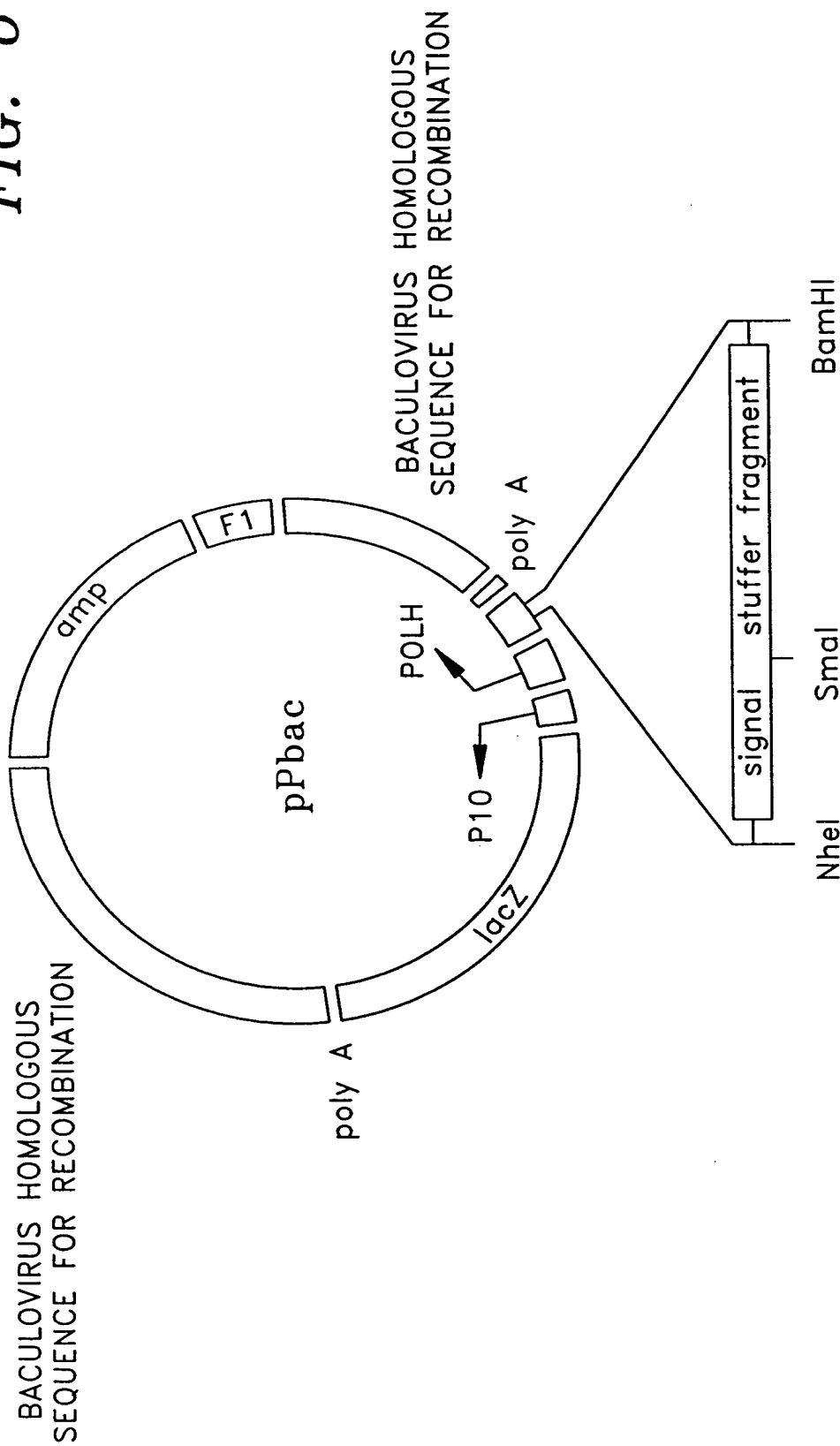
FIG. 4

# “GATA” ESTABLISH

Leu	Glu	Arg	Gly	Pro	Leu	Leu	Lys	Lys	Glu	Leu	Ser	Ser	Phe	Ile	Asp	Lys	Gly	Gln	Glu
									10										20
Leu	Cys	Ala	Asp	Tyr	Ser	Glu	Asn	Thr	Phe	Thr	Glu	Tyr	Lys	Lys	Lys	Leu	Ala	Glu	Arg
									30										40
Leu	Lys	Ala	Lys	Leu	Pro	Glu	Ala	Thr	Pro	Thr	Glu	Leu	Ala	Lys	Leu	Val	Asn	Lys	Arg
									50										60
Ser	Asp	Phe	Ala	Ser	Asn	Cys	Cys	Ser	Ile	Asn	Ser	Pro	Pro	Leu	Tyr	Cys	Asp	Ser	Glu
									70										80
Ile	Asp	Ala	Glu	Leu	Lys	Asn	Ile	Leu											
									89										

FIG. 5

FIG. 6



pPbac ...GCTAGCCATC.ATG.GTG... ...GAG.AAC.CCG.GGA...  
start

Ile Ile Pro Val Glu Glu Glu Asn Pro Pro Leu Leu Lys Lys Glu Leu Ser Ser Phe Ile  
 Asp Lys Gly Gln Glu Leu Cys Ala Asp Tyr Ser Glu Asn Thr Phe Thr Glu Tyr Lys Lys  
 Lys Leu Ala Glu Arg Leu Lys Ala Lys Leu Pro Glu Ala Thr Pro Thr Glu Leu Ala Lys  
 Leu Val Asn Lys Arg Ser Asp Phe Ala Ser Asn Cys Cys Ser Ile Asn Ser Pro Pro Leu  
 Tyr Cys Asp Ser Glu Ile Asp Ala Glu Leu Lys Asn Ile Leu

FIG. 7





FIG. 8B

BREAST CANCER  
GcMAF THERAPY

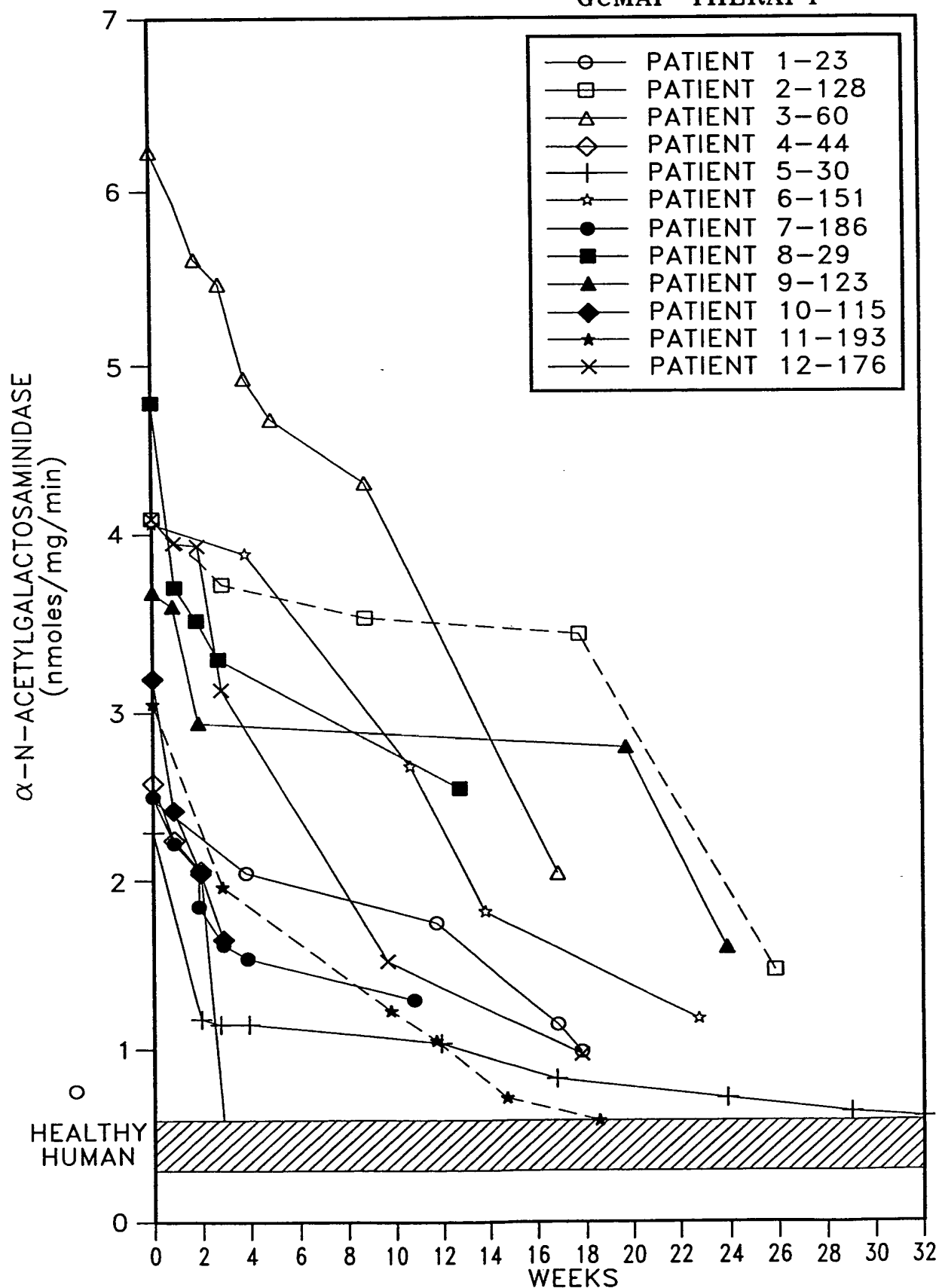


FIG. 8C

COLON CANCER  
GcMAF THERAPY

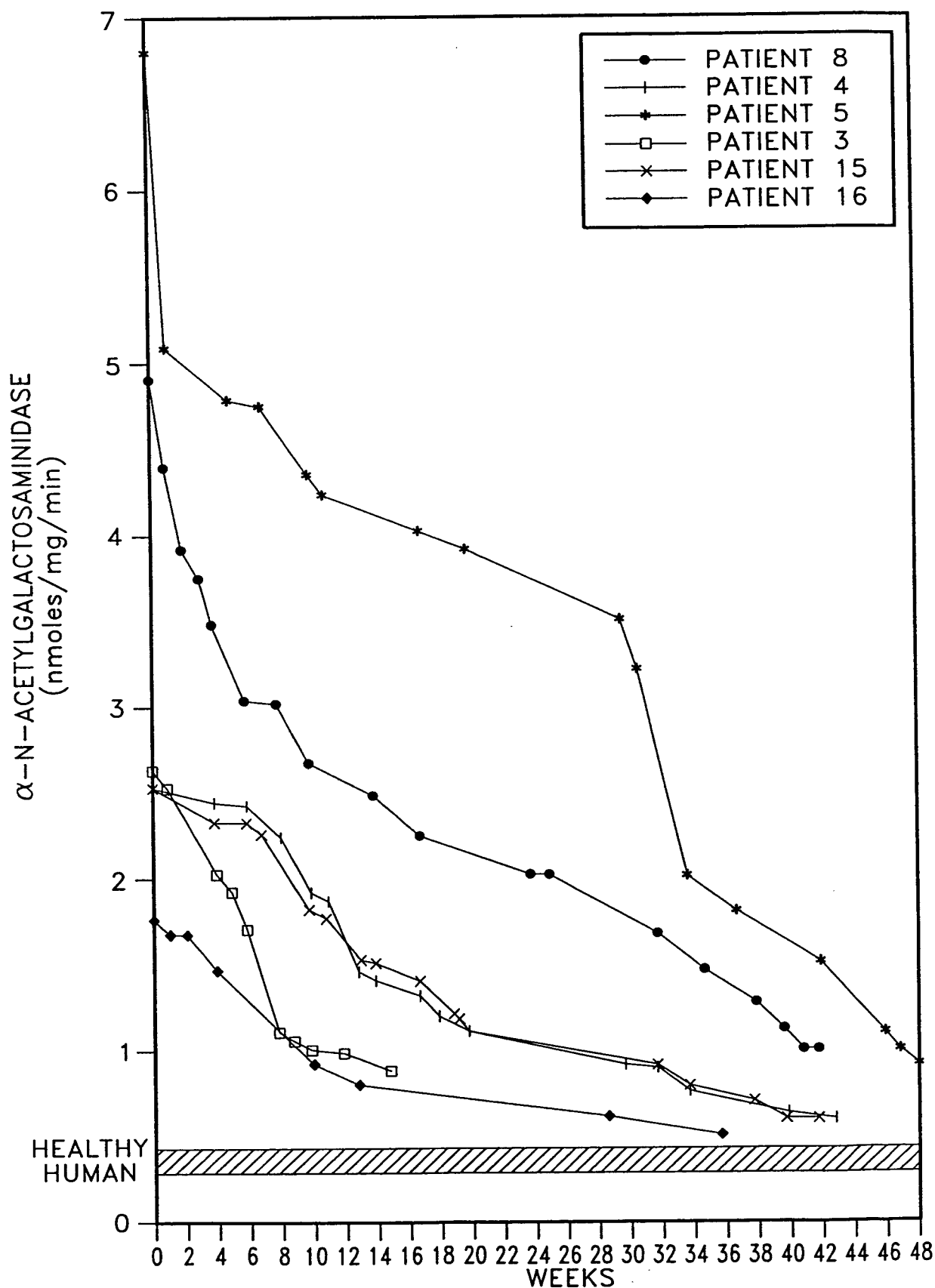


FIG. 8D

Leukemia  
GcMAF THERAPY

